

AMENDMENT TO THE CLAIMS

Please amend the presently pending claims as follows:

1. (Currently Amended) A radiofrequency (RF) and/or microwave power amplification device, in particular for a radiocommunication terminal, comprising:

means for shielding said device; and

means for controlling a power supplied at the output of said device, including a power control loop having reference means, detection means, comparison means and power amplification means, wherein said control means also include at least one sensor positioned within a shielding area defined by the means for shielding for detecting energy radiated in said device.

2. (Previously Presented) The power amplification device according to claim 1, wherein said shielding means produce a coupling between said power amplification means and said sensor.

3. (Previously Presented) The power amplification device according to claim 1, wherein sensor belongs to the group including:

- inductors;
- routing lines of a printed circuit of said device;
- MEMS (Micro-Electro-Mechanical Systems);
- radiating elements printed on a printed circuit of said device;
- tuned LC or RLC circuits.

4. (Currently Amended) The power amplification device according to claim 1, wherein power amplification means and said sensor are placed near one another, so as to optimise said a coupling.

5. (Previously Presented) The power amplification device according to claim 1, wherein shielding means cause an attenuation of at least 10 dB of energy outside said device, detected by said sensor, with respect to said energy radiated in said device, detected by said sensor.

6. (Previously Presented) The power amplification device according to claim 3, wherein said sensor is a tuned LC or RLC circuit, the values of the components of said tuned circuit are selected so as to maximise said power supplied at the output at at least one predetermined operating frequency of said device.

7. (Previously Presented) The power amplification device according to claim 1, wherein said control means enable control of said power supplied at the output according to at least one parameter belonging to the group including:

- an operating temperature of said device;
- a supply voltage of said device;
- a load impedance of said device.

8. (Previously Presented) The power amplification device according to claim 1, wherein said sensor is integrated into said detection means.

9. (Previously Presented) The power amplification device according to claim 1, wherein said shielding means include a metal shielding cover having a surface substantially parallel to a printed circuit forming the base of said device and four surfaces substantially perpendicular to said surface coming into contact with each of the edges of said printed circuit.

10. (Currently Amended) The A Radiocommunication terminal, wherein it includes a power amplification device according to claim 1.

11. (Currently Amended) A radiofrequency (RF) and/or microwave power amplification device,

in particular for a radiocommunication terminal, comprising:

- a controller, which controls a power supplied at an output of the device and includes a power control loop having a power amplifier, which radiates energy in the device and is coupled to the output, a sensor, which senses the energy radiated in the device, a detector coupled to the sensor, and a comparator coupled to the detector, which compares an output from the detector to ~~the~~ a reference; and
- a shield, which reflects the energy radiated in the device toward the sensor, wherein the sensor is positioned within a shielding area defined by the shield.